

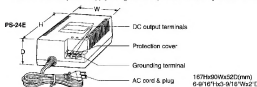
DC POWER SUPPLY FOR INTERCOM

Model: **PS-24E**

INSTALLATION MANUAL

1 SYSTEM OUTLINE & COMPONENTS

PS-24E is a DC power supply designed for Aiphone intercom systems: VY-EM, YAZ-90-3, MC-80/4, NEM-30, 40, and NHX, etc.



■ Package Contents

- Power supply (PS-24E)
- Metal bracket
- Packet of screws
- Installation & Operation Manuals

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc.



2 PRECAUTIONS ON PS-24E

⚠ Precautions on Safety

1. PS-24E is designed for indoor use only. Do not install outdoors.
2. PS-24E is an electrical device, which must not be exposed to water or any other liquid.
3. Do not connect any terminal on any unit to AC power lines.
4. Do not change or modify PS-24E.
5. **Do not open PS-24E power supply.** High voltage is inside. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

General Precautions

1. Unplug PS-24E power supply while making any wire terminations.
2. Do not install PS-24E in any of the following locations, as it may cause the system to malfunction:
 - High or extreme cold temperature areas: under direct sunlight, near equipment that varies in temperature, in front of air-conditioner, inside a refrigerated area, etc.
 - Places subject to moisture or humidity extremes.
 - Places subject to environmental conditions, such as dust, oil, chemicals, salt, etc.
 - Places subject to constant vibration or impact.
3. Make sure wires are connected properly before plugging in PS-24E.

Precautions on Usage

1. PS-24E is not operable during a power failure.
2. Keep all DC wiring at least 30cm (1") away from AC wiring, fluorescent lighting, or dimmer switches. Cross AC wiring at a 90° angle.
3. In areas where broadcasting station antennas are close by, intercom system may be affected by radio frequency interference.

3 WIRING & MOUNTING

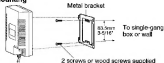
Wiring

One power supply powers an entire system. PS-24E has DC plus and minus terminals. Connect to intercom equipment properly, observing polarity. Be careful not to short DC wires together.

- * Locate a PS-24E power supply within a specified distance or closely possible to the intercom. In general, when a supplementary PS-24E is used, for a second group of stations, be sure to remove + wire between two blocks.

- * Take G terminal to earth, to prevent noise interference.
- * Install in an area that is dry and free of excessive dust. Allow access to the unit.
- * Plug AC cord into an outlet, preferably with no other devices plugged into it.

Mounting



Mount the metal bracket to wall or onto single-gang box with supplied screws. Slide power supply onto bracket until locked firmly in place.

- * Keep AC cord and DC wires free from being pulled or crushed.
- * Keep moisture away from unit and AC cord.

4 SPECIFICATIONS (PS-24E)

- * Power source: ~120V, 50/60Hz.
- * Power consumption: 50W.
- * Secondary output voltage: DC 24V.
- * Secondary output current: 2A.
- * Dimensions & weight: 167H x 90W x 52D (mm)
560g approx.